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at least one of first lock means and second lock means, wherein said first lock means [being operable to] is adapted to automatically prevent said saw unit from moving in the horizontal direction [in response to the] upon detection of movement of said saw unit in the vertical direction, and the second lock means [being operable to] is adapted to automatically prevent the saw unit from moving in the vertical direction [in response to the] upon detection of movement of said saw unit in the horizontal direction.

Claim 2, line 4, replace "operable" with -- adapted --.

Claim 3, line 6, replace "operable" with -- adapted --.

Claim 4, line 8, replace "serves" with --is adapted--.

Claim 7, line 4, replace "operable" with -- adapted --.

Claim 8, lines 6 and 8, replace "operable" with -- adapted --.

Claim 9, line 11, change "serves" to --is adapted--.

Claim 11, line 8, change "being operable" to -- is

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adapted --.

13. (Twice Amended) The circular saw as defined in claim 12 wherein:

said first lock means includes a first fixing member [operable] adapted to fix said saw unit in position relative to said table in the horizontal direction, a first actuator coupled to the first fixing member, said first actuator [causing] adapted to move said first fixing member [to move] between a locked position and an unlocked position, and a first sensor means for detecting the vertical movement of said saw unit coupled to said first actuator; and

said second lock means includes a second fixing member operable to fix said saw unit in position relative to said table in the vertical direction, a second actuator coupled to the second fixing member, said second actuator [causing] adapted to move said second fixing member [to move] between a locked position and an unlocked position, and a second sensor means for detecting the horizontal movement of said saw unit coupled to said second actuator.

14. (Twice Amended) The circular saw as defined in claim 13 wherein:

said support means includes a support arm mounted on said

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table and a slide shaft coupled to the support arm, [whereby] wherein the slide shaft [can] is adapted to slide horizontally relative to said support arm, and a hinge means coupling the slide shaft to the saw unit, [whereby] wherein the slide shaft [can] is adapted to pivot vertically relative to said saw unit;

said first fixing member of said first lock means is [operable] adapted to fix said slide shaft in position relative to said support arm, and said first sensor means detects vertical pivotal movement of said saw unit relative to said slide shaft; and

said second fixing member of said second lock means is [operable] adapted to fix the pivotal position of said saw unit relative to said slide shaft, and said second sensor means detects horizontal movement of said saw unit relative to said support arm.

15. (Thrice Amended) The circular saw as defined in claim 14 wherein:

said slide shaft is slidably received in a holder provided on said support arm;

said first fixing member comprises a first screw inserted into a first threaded hole formed in said holder in a direction perpendicular to an axial direction of said slide

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shaft, said first screw having one end that [can] is adapted to abut said slide shaft;

said first actuator is adapted to rotate said first screw in both clockwise and counterclockwise directions so as to move said first screw toward and away from said slide shaft;

said second fixing member comprises a second screw inserted into a second threaded hole formed in said saw unit in a direction parallel to the pivotal axis of said saw unit;

and wherein the circular saw further comprises a flange portion having an abutting surface extending within a plane perpendicular to the pivotal axis of said saw unit, and is disposed such that one end of said second screw [can] is adapted to abut said abutting surface of said flange portion; and

said second actuator is adapted to rotate said second screw in both clockwise and counterclockwise directions so as to move said second screw toward and away from said abutting surface.

Claim 17, line 11 and 21, replace "being operable" with -- is adapted --.

18. (Twice Amended) An apparatus comprising:
a table,

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a saw blade coupled to the table, the saw blade being [movable] adapted to move at least in a horizontal direction relative to the table and a vertical direction relative to the table and

at least one lock selected from the group consisting of a first lock and a second lock, wherein:

the first lock is coupled to the table and the saw blade, wherein the first lock [can be operated to] is adapted to automatically prevent the saw blade from moving in the horizontal direction relative to the table when the saw blade [is] begins moving in the vertical direction and is adapted to automatically permit the saw blade to move in the horizontal direction when the saw blade stops moving in the vertical direction and

the second lock is coupled to the table and the saw blade, wherein the second lock [can be operated to] is adapted to automatically prevent the saw blade from moving in the vertical direction relative to the table when the saw blade [is] begins moving in the horizontal direction and is adapted to automatically permit the saw blade to move in the vertical direction when the saw blade stops moving in the horizontal direction.

20. (Amended) An apparatus as in claim 19 further

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comprising:

a first sensor coupled to the first lock, the first sensor [capable of detecting] adapted to detect vertical movement of the saw blade and

a second sensor coupled to the second lock, the second sensor [capable of detecting] adapted to detect horizontal movement of the saw blade.

22. (Twice Amended) An apparatus as in claim 21, further comprising:

a support arm mounted on the table and coupled to the saw blade,

a slide shaft coupled to the support arm, [whereby] wherein the slide shaft [can] is adapted to slide horizontally [slidable] relative to the support arm and

a vertically pivotable hinge coupling said saw blade to the slide shaft, wherein:

the first sensor [can] is adapted to detect vertical pivotal movement of the saw blade relative to the slide shaft and the first lock [can] is adapted to fix the slide shaft in a position relative to the support arm in response to detection of vertical pivotal movement and

the second sensor [can] is adapted to detect horizontal movement of the saw blade relative to the support arm and the

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second lock [can] is adapted to fix the saw blade in a position relative to the slide shaft in response to detection of horizontal [pivotal] movement.

23. (Twice Amended) An apparatus as in claim 22 wherein:
the slide shaft is slidably received in a holder connected to the support arm,

the first lock comprises a first screw inserted into a first threaded hole formed in the holder in a direction perpendicular to an axial direction of the slide shaft, the first screw having one end that [can] is adapted to abut the slide shaft, wherein the first screw is coupled to the first actuator and the first actuator [can] is adapted to rotate the first screw in both clockwise and counterclockwise directions so as to move the first screw toward and away from the slide shaft,

the second lock comprises a second screw inserted into a second threaded hole formed in the saw unit in a direction parallel to the vertical pivotal axis of the apparatus,

and wherein the apparatus further comprises a flange portion having an abutting surface extending within a plane perpendicular to the vertical pivotal axis of the saw blade, and is disposed such that one end of the second screw [can] is adapted to abut the abutting surface of the flange portion and

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wherein the second screw is coupled to the second actuator and the second actuator [can] is adapted to rotate the second screw in both clockwise and counterclockwise directions so as to move the second screw toward and away from the abutting surface.

25. (Twice Amended) An apparatus as in claim 24 further comprising:

a first detector plate mounted on either the slide shaft or the support arm, wherein the first sensor [is] includes a first optical sensor mounted on the other of the slide shaft the support arm, the first detector plate having a plurality of first parallel identification bars that are spaced from each other by predetermined distances, and the first sensor is disposed in relation to the first detector plate such that the first sensor [can] is adapted to detect movement of the first parallel identification bars as a change in a reflected light pattern and

a plurality of second parallel identification bars marked on the slide shaft, wherein the second sensor [is] includes a second optical sensor coupled to the holder, the second parallel identification bars are spaced from each other by predetermined distances in a longitudinal direction of the slide shaft and the second optical sensor is disposed in

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relation to the second parallel identification bars such that the second sensor [can] is adapted to detect movement of the second parallel identification bars as a change in a reflected light pattern.

26. (Amended) An apparatus comprising:

a table having a surface for placing a workpiece thereon,
a saw having a saw blade,

a first means for axially displacing the saw relative to the table, such that the saw can move in a horizontal plane that is parallel to the surface of the table, the first means coupled to the table and the saw,

a second means for vertically pivoting the saw relative to the table, such that the saw can move in a vertical plane relative to the surface of the table, the second means coupled to the table and the saw,

a first lock coupled to the first means and being [operable] adapted to automatically prevent horizontal movement of the saw when [the saw is pivotally moving] pivotal saw blade movement in the vertical plane is detected and

a second lock coupled to the second means and being [operable] adapted to automatically prevent vertical pivotal movement of the saw when [the] saw blade movement [is moving] in the horizontal plane is detected.

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Claim 27, line 2, replace "that can" with -- adapted to --.

Claim 29, line 2, replace "that can" with -- adapted to --.

31. (Amended) An apparatus comprising:
a table having a surface for placing a workpiece thereon,
a saw having a saw blade,
a support arm coupled to the saw,
a holder connected to the support arm,
a shaft slidably received within the holder and
a hinge connecting the holder to the saw, the hinge
permitting vertical pivotal movement of the saw relative to
the shaft,

a first lock coupled to the holder and being [operable]
adapted to automatically prevent horizontal movement of the
saw without operator assistance when [the saw is pivotally
moving] pivotal movement of the saw blade in the vertical
plane is initiated and

a second lock coupled to the hinge and being [operable]
adapted to automatically prevent vertical pivotal movement of
the saw without operator assistance when [the saw is moving]
movement of the saw blade in the horizontal plane is

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initiated.

REMARKS

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